Variable	Unit	Method	Citation
% cover vegetation	percent	Visually estimated in 1 x 1 m vegetation plots along 100 m vegetation transect	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
% cover leaf litter	percent	Visually estimated in 1 x 1 m vegetation plots along 100 m vegetation transect	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
% cover woody debris	percent	Visually estimated in 1 x 1 m vegetation plots along 100 m vegetation transect	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
% cover tree trunk	percent	Visually estimated in 1 x 1 m vegetation plots along 100 m vegetation transect	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
% cover bare ground	percent	Visually estimated in 1 x 1 m vegetation plots along 100 m vegetation transect	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
% canopy closed	percent	Estimated using a mirror sphrical crown densiometer	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
Litter depth	cm	Measured with a ruler in 1 x 1 m vegetation plots along 100 m vegetation transect	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
Duff depth	cm	Measured with a ruler in 1 x 1 m vegetation plots along 100 m vegetation transect	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
Plant richness 1x1m	number of plant species	Estimated in 1 x 1 m plots along 100 m vegetation transect	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
Plant richness 10x10m	number of plant species	Estimated in 10 x 10 m plots along 100 m vegetation transect	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
% soil clay	percent	Hydrometer Method	ASTM D422, 2002
% soil silt	percent	Hydrometer Method	ASTM D422, 2002
% soil sand	percent	Hydrometer Method	ASTM D422, 2002
soil pH	pH	1:1 in H2O	McLean, E.O. 1982. Soil pH and lime requirement. p. 199-223. In A.L. Page et al. (ed.) Methods of soil analysis, part 2. Agronomy Monogr. 9, 2nd ed. ASA and SSSA, Madison, WI.
Soil organic matter	percent	Loss on Ignition at 360 degrees C.	Schulte, E.E., and B.G. Hopkins. 1996. Estimation of soil organic matter by weight Loss-On- Ignition. p. 21-32. In: Soil organic matter: Analysis and interpretation. (ed.) F.R. Magdoff, M.A. Tabatabai, and E.A. Hanlon, Jr. Special publication No. 46. Soil Sci. Soc. Am. Madison, WI.

Soil S	ppm	Mehlich III Extractable	Mehlich, A. 1984. Mehlich-3 soil test extractant: A modification of Mehlich-2 extractant. Commun. Soil Sci. Plant Anal. 15:1409-1416.
Soil P	mg/kg	Bray II P	Bray, H.R., and L.T. Kurtz. 1945. Determination of total, organic, and available forms of phosphorus in soils. Soil Science 59:39-45.
Soil Ca	mg/kg	Mehlich III Extractable	Mehlich, A. 1984. Mehlich-3 soil test extractant: A modification of Mehlich-2 extractant. Commun. Soil Sci. Plant Anal. 15:1409-1416.
Soil Mg	mg/kg	Mehlich III Extractable	Mehlich, A. 1984. Mehlich-3 soil test extractant: A modification of Mehlich-2 extractant. Commun. Soil Sci. Plant Anal. 15:1409-1416.
Soil K	mg/kg	Mehlich III Extractable	Mehlich, A. 1984. Mehlich-3 soil test extractant: A modification of Mehlich-2 extractant. Commun. Soil Sci. Plant Anal. 15:1409-1416.
Soil Na	mg/kg	Mehlich III Extractable	Mehlich, A. 1984. Mehlich-3 soil test extractant: A modification of Mehlich-2 extractant. Commun. Soil Sci. Plant Anal. 15:1409-1416.
Soil Fe	mg/kg	DTPA extractable	Linsay, W.L., and W.A. Norvell. 1978. Development of a DTPA soil test for zinc, iron, manganese, and copper. Soil Sci. Soc. Am. J. 42:421-428.
Soil Mn	mg/kg	DTPA extractable	Linsay, W.L., and W.A. Norvell. 1978. Development of a DTPA soil test for zinc, iron, manganese, and copper. Soil Sci. Soc. Am. J. 42:421-428.
Soil Cu	mg/kg	DTPA extractable	Linsay, W.L., and W.A. Norvell. 1978. Development of a DTPA soil test for zinc, iron, manganese, and copper. Soil Sci. Soc. Am. J. 42:421-428.
Soil Al	mg/kg	Mehlich III Extractable	Mehlich, A. 1984. Mehlich-3 soil test extractant: A modification of Mehlich-2 extractant. Commun. Soil Sci. Plant Anal. 15:1409-1416.
% soil moisture	percent	Difference in soil weight before and after dying	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.
Soil % water holding capacity	percent	Difference in soil weight after saturating with water and after dying	Brudvig, L. A., E. Grman, C. W. Habeck, J. L. Orrock, and J. A. Ledvina. 2013. Forest Ecology and Management 310:944–955.